

Vegetables

Michigan vegetable growers produced 815,230 tons of fresh and processed vegetables in 2000. Harvested acreage was 123,300 and value of production was \$236 million. Pumpkins, radishes and squash statistics were added to the vegetable commodities covered in Michigan in the 2000 crop year. Nationally, Michigan ranked seventh and sixth in fresh market and processing vegetable sales, respectively.

Most of the state's vegetables are grown in the southern half of the Lower Peninsula. Fresh market produce grown in Michigan is shipped to major markets throughout the nation. The amount of fresh market vegetables produced this year was 8.49 million hundredweight, a 4 percent decrease from 1999 for comparable crops. Many vegetable crops got off to a slow start due to a cool

wet spring. Dry fall conditions helped facilitate harvest. Harvest of vegetables was generally early with no weather problems. The top ten vegetable counties were Oceana, St. Joseph, Van Buren, Allegan, Berrien, Newaygo, Mason, Gratiot, Ottawa, Lenawee, and Macomb. Processed vegetables are used by both in and out-of-state processors. Production amounted to 390,580 tons, an increase of 1 percent from 1999. Michigan was the top state in pickle production.

Dual purpose vegetable acreage is used for both fresh market and processing. Nationally, Michigan ranked third for dual purpose asparagus production. Harvest was slowed and quality reduced due to cool weather conditions in Michigan. Harvest continued until mid-June with few problems.

Vegetables: Record highs and lows

Crop	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Asparagus						
Harvested	1,000 acres	23.0	1989	1.0	1928	1928
Yield	Cwt	31	1947	9	1981	
Production	1,000 cwt	306	1995	17	1928	
Beans, snap (processing)						
Harvested	1,000 acres	27.0	1999	0.8	1921	1918
Yield	Tons	3.89	1998	0.60	1947	
Production	1,000 tons	100,970	1999	0.6	1921	
Carrots						
Harvested	1,000 acres	7.7	1994	0.5	1929	1929
Yield	Cwt	398	1995	155	1957	
Production	1,000 cwt	2,610	1995	132	1936	
Celery						
Harvested	1,000 acres	7.2	1941	1.8	1966,1968	1928
Yield	Cwt	520	1996	174	1935	
Production	1,000 cwt	1,915	1941	576	1966	
Corn, sweet (fresh market)						
Harvested	1,000 acres	15.2	1961	9.0	1988	1949
Yield	Cwt	85	1994,1995,1996,1997	42	1949	
Production	1,000 cwt	1,020	1994	525	1949	
Cucumbers (processing)						
Harvested	1,000 acres	46.3	1949	9.3	1932	1918
Yield	Tons	6.7	1987	0.6	1924	
Production	1,000 tons	180.0	2000	8.9	1932	
Onions						
Harvested	1,000 acres	12.7	1935	4.1	1999	1928
Yield	Cwt	350	1960	120	1935	
Production	1,000 cwt	2,833	1948	852	1928	
Tomatoes (fresh market)						
Harvested	1,000 acres	9.4	1943	2.3	1998	1928
Yield	Cwt	210	1998	60	1959	
Production	1,000 cwt	797	1943	204	1988	
Tomatoes (processing)						
Harvested	1,000 acres	9.7	1982	1.0	1921	1918
Yield	Tons	36.0	1998	2.7	1943	
Production	1,000 tons	205	1982	5	1921	

Vegetables: Acres harvested and value of production, 1996-2000

Item	Unit	1996	1997	1998	1999	2000 ¹
Acres harvested	1,000 acres	114	113	107	114	123
Value of production	1,000 dollars	173,465	170,356	183,399	177,903	236,492

¹ Includes crops for which no data were available before 2000.

Principal vegetables, fresh market: Acres, production, and value, 1996-2000

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 dollars</i>
1996	60,600	55,600	8,154	124,626
1997	59,900	56,950	8,034	123,086
1998	56,600	53,550	7,307	136,522
1999	56,500	54,000	7,378	124,282
2000 ¹	69,700	64,850	8,493	173,902

¹ Includes crops for which no data were available before 2000.

Principal vegetables, processing: Acres, production, and value, 1996-2000

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 dollars</i>
1996	62,000	58,500	420,240	48,839
1997	57,900	56,400	394,500	47,270
1998	55,000	53,300	345,740	46,877
1999	61,500	59,900	390,370	53,621
2000	60,760	58,450	390,580	62,590

Vegetables, processing: Acres, production, and value, 1996-2000 ¹

Item and Year	Planted	Harvested	Yield	Production	Price	Total Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Carrots						
1996	1,700	1,600	23.00	36,800	65.10	2,396
1997	1,600	1,500	25.00	37,500	62.40	2,340
1998	1,700	1,600	19.00	30,400	59.40	1,806
1999	1,600	1,500	26.00	39,000	67.60	2,636
2000	1,260	1,250	28.00	35,000	68.80	2,408
Cucumbers						
1996	28,000	26,000	5.30	137,800	156.00	21,497
1997	27,000	26,000	5.20	135,200	152.00	20,550
1998	27,000	26,000	5.00	130,000	169.00	21,970
1999	27,000	26,500	6.00	159,000	164.00	26,076
2000	31,000	30,000	6.00	180,000	215.00	38,700
Snap beans						
1996	22,000	21,000	3.30	69,300	164.00	11,365
1997	23,200	22,800	3.45	78,660	171.00	13,451
1998	21,500	21,000	3.89	81,600	171.00	13,973
1999	28,000	27,000	3.74	100,970	166.00	16,765
2000	25,500	24,400	3.75	91,580	160.00	14,678
Tomatoes						
1996	4,600	4,400	32.50	143	73.70	10,539
1997	4,300	4,300	31.00	133	73.30	9,771
1998	2,600	2,500	36.00	90	84.00	7,560
1999	2,900	2,900	30.00	87	84.00	7,308
2000	3,000	2,800	30.00	84	81.00	6,804

¹ Cabbage for sauerkraut and green peas are not published to avoid disclosure of individual operations.

Vegetables, fresh market: Acres, production, and value, 1996-2000

Item and year	Planted	Harvested	Yield	Production	Price	Value ¹
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars per cwt</i>	<i>1,000 dollars</i>
Beans, snap						
1996	1,700	1,500	40	60	38.20	2,292
1997	1,700	1,600	45	72	29.80	2,146
1998	2,200	2,100	60	126	61.00	7,686
1999	2,200	2,200	40	88	31.00	2,728
2000	2,300	2,000	42	84	25.00	2,100
Cabbage						
1996	1,800	1,700	310	527	9.00	4,743
1997	1,900	1,900	260	494	7.80	3,853
1998	1,800	1,700	260	442	13.30	5,879
1999	1,900	1,800	280	504	8.60	4,334
2000	1,800	1,700	250	425	12.80	5,440
Cantaloups						
1996	1,000	800	90	72	17.00	1,224
1997	1,000	950	150	143	19.80	2,831
1998	800	750	150	113	19.00	2,147
1999	800	700	140	98	17.30	1,695
2000	800	750	140	105	15.30	1,607
Carrots						
1996	6,000	4,500	280	1,260	13.40	16,884
1997	5,500	5,300	250	1,325	12.50	16,563
1998	4,700	4,600	290	1,334	13.10	17,475
1999	4,700	4,700	280	1,316	10.70	14,081
2000	4,700	4,500	280	1,260	13.40	16,884
Corn, sweet						
1996	12,500	10,500	85	893	17.00	15,181
1997	12,500	11,500	85	978	17.80	17,048
1998	11,000	10,000	75	750	17.20	12,900
1999	11,500	10,600	70	742	17.90	13,282
2000	11,500	10,600	70	742	18.10	13,430
Cucumbers						
1996	5,700	5,500	200	1,100	15.20	16,720
1997	6,500	6,400	200	1,280	14.10	18,048
1998	7,000	6,500	190	1,235	17.30	21,336
1999	7,000	6,600	220	1,452	15.50	22,506
2000	7,000	6,700	200	1,340	18.80	25,192
Onions						
1996	6,200	5,800	310	1,798	10.80	15,541
1997	5,000	4,900	320	1,568	8.90	11,170
1998	4,500	4,200	260	1,092	11.00	9,614
1999	4,100	4,000	270	1,080	10.00	8,640
2000	4,100	3,500	270	945	12.50	9,450
Radishes						
2000	2,700	2,500	70	175	27.20	4,760
Tomatoes						
1996	2,600	2,400	180	432	24.20	10,454
1997	3,000	2,500	160	400	24.20	9,680
1998	2,500	2,300	210	483	38.50	18,596
1999	2,800	2,600	190	494	33.50	16,549
2000	2,500	2,400	170	408	44.40	18,115

¹ Onions = Value of sales.

Vegetables, dual purpose: Acres, production, and value, 1996-2000

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Asparagus						
1996	18,000	17,500	17	298	67.50	20,110
1997	18,000	17,500	15	263	67.70	17,972
1998	17,500	17,000	16	278	62.30	17,320
1999	17,000	16,500	18	297	63.40	18,822
2000	17,000	16,500	17	283	63.90	18,075
Celery						
1996	2,500	2,300	520	1,196	11.10	13,294
1997	2,500	2,300	470	1,081	13.30	14,358
1998	2,300	2,200	470	1,034	12.90	13,327
1999	2,000	1,900	450	855	12.90	11,005
2000	2,000	1,900	500	950	13.00	12,369
Peppers, bell						
1996	2,100	2,000	200	400	18.40	7,360
1997	1,800	1,700	220	374	20.90	7,817
1998	1,900	1,800	200	360	24.00	8,640
1999	2,100	2,000	200	400	24.00	9,600
2000	2,200	2,100	220	462	22.50	10,395
Pumpkins						
2000	5,500	4,400	160	704	38.00	26,752
Squash						
2000	5,600	5,300	115	610	15.30	9,333

Asparagus: Disposition and value, 1996-2000

Year	Fresh market			Processing		
	Production	Price per cwt	Value of production	Production	Price per ton	Value of production
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1996	33	79.00	2,607	13,260	1,320	17,503
1997	39	80.00	3,120	11,200	1,310	14,672
1998	36	65.00	2,340	12,080	1,240	14,980
1999	34	74.00	2,516	13,150	1,240	16,306
2000	41	69.00	2,829	12,100	1,260	15,246

U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 1999-2000

Year	From current year crop			From previous year crop		Total stocks
	Salt stock including dill	Fresh pack	Refrigerated	Salt stock including dill	Fresh pack	
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1999	310,422	109,171	6,295	26,557		452,445
2000	192,647	42,642	1,449	141,556	9,250	387,544

Mushrooms

During the 1999-2000 marketing year, Michigan growers sold 11.6 million pounds of Agaricus (white button) mushrooms compared with 10.1 million pounds the previous year. Michigan was seventh behind Pennsylvania, California, Florida, Indiana, Washington, and Ohio. Growers in the State used 2.8 million

square feet of bed and tray space. The price per pound averaged \$1.28, up 8 cents from the 1998-99 season and the highest price on record. Total value of sales increased to \$14.9 million, \$2.8 million higher than last season.

Agaricus mushrooms: Area, sales, price, and value, 1995-2000 ¹

	Area ²	Sales	Price	Value
	<i>1,000 sq ft</i>	<i>1,000 lbs</i>	<i>Dol/lb</i>	<i>1,000 dollars</i>
1995-96	2,595	14,414	1.100	15,818
1996-97	2,572	13,638	1.080	14,679
1997-98	2,760	14,731	1.150	17,014
1998-99	2,767	10,106	1.200	12,141
1999-00	2,767	11,637	1.280	14,923

¹ Marketing year begins July 1 and ends June 30 of the following year.

² Total fillings.